

Parameters	Units	2007 Results Retention Pond
Inorganics		
Alkalinity (Total as CaCO ₃)	mg/L	99
Biochemical Oxygen Demand	mg/L	11
Chloride (Dissolved)	mg/L	110
Conductivity	umho/cm	1050
Chemical Oxygen Demand	mg/L	
Hardness (CaCO ₃)	mg/L	410
N-NH ₃ (Ammonia)	mg/L	2.54
Nitrite (N)	mg/L	0.04
Nitrate (N)	mg/L	ND
Nitrite + Nitrate	mg/L	ND
Oil and Grease	mg/L	
pH		7.2
Sulphate (Dissolved)	mg/L	293
Total Dissolved Solids	mg/L	610
Total Kjeldahl Nitrogen	mg/L	
Total Organic Carbon	mg/L	26.5
Total Inorganic Carbon	mg/L	24
Total Phosphorus	mg/L	0.2
Total Suspended Solids	mg/L	20
Turbidity	NTU	40
Metals	mg/L	
Aluminum	mg/L	0.21
Antimony	mg/L	0.0016
Arsenic	mg/L	0.002
Barium	mg/L	0.03
Beryllium	mg/L	ND
Bismuth	mg/L	ND
Boron	mg/L	0.39
Bromide	mg/L	
Cadmium	mg/L	0.0019
Calcim	mg/L	150
Chromium	mg/L	ND
Cobalt	mg/L	0.0057
Copper	mg/L	0.023
Iron	mg/L	4.3
Lead	mg/L	0.007
Lithium	mg/L	0.015
Manganese	mg/L	1.1
Magnesium	mg/L	12
Mercury	mg/L	
Molybdenum	mg/L	0
Nickel	mg/L	0.011
Potassium	mg/L	11

Selenium	mg/L	ND
Silicon	mg/L	1.5
Silver	mg/L	ND
Sodium	mg/L	41
Strontium	mg/L	0.77
Thallium	mg/L	ND
Tin	mg/L	ND
Titanium	mg/L	0.008
Uranium	mg/L	0.0003
Vanadium	mg/L	0.001
Zinc	mg/L	6.9
Zirconium	mg/L	
Microbiological		
Background	CFU/100ml	4200
Total Coliforms	CFU/100ml	500
Fecal Coliforms	CFU/100ml	20

2007 Results Control Pond
110
19
249
1180
480
4
ND
ND
ND
7.1
307
682
41.9
27
0.2
29
53
0.11
0.0032
0.003
0.05
ND
ND
0.48
0.0048
200
ND
0.0038
0.058
7.5
0.022
0.024
1
11
0
0.014
13

ND
1.4
0.0001
40
1.1
ND
ND
ND
0.0002
ND
15
3500
300
<10